

REMARKS

All of the original claims 1-16 have been cancelled, and replaced with claims 17-42 to ensure that the Applicant sets forth with particularity what the Applicant regards as his invention.

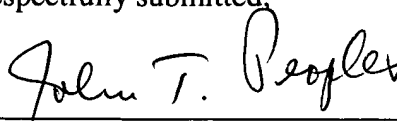
Accordingly, the Summary of Invention (pages 8 and 9) has been replaced to be commensurate with the newly-added claims.

The Abstract of the Disclosure has been replaced so as to describe the contents of the application with specificity.

Typographical errors on page 13 relating to Figure numbers have been amended to secure correspondence between the Figures and the specification.

Finally, various typographical errors in the specification have been corrected.

Respectfully submitted,



Date: 9-8-01

John T. Peoples (Reg. No. 28,250)
14 Blue Jay Ct.
Warren, NJ 07059
(908) 580-9816



VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

Page 13, line 1 has been amended as follows: --FIG. ~~22B~~21B depicts a (1 2 3) permutation on an 8×8 exchange;--

Page 13, line 2 has been amended as follows: --FIG. ~~22C~~21C depicts a (3 1) permutation on an 8×8 exchange;--

Page 13, line 3 has been amended as follows: --FIG. ~~22D~~21D depicts a combined (1 4)(2 3) permutation on an 8×8 exchange;--

Page 175, line 9 has been amended as follows: --from the tag, by a simple ~~dedicate~~dedicated 1×1 switching circuitry which is appended to every--.

Page 177, line 13 has been amended as follows: --10 ('0-bound') \prec 00 ('idle' θ) \prec 11 ('1-bound')--.

Page 179, line 18 has been amended as follows: --of a bit-permuting network. The ~~guide of~~routing tag for the particular $2^n \times 2^n$ networks studied in the prior--.

Page 180, line 1 has been amended as follows: --art is the destination address $d_1 d_2 \dots d_n$ of a packet plus possibly an activity bit up front. By--.

RECEIVED
SEP 18 2001
Technology Center 2600